DETAILED ACTION

1.   This action is responsive to the amendment filed on June 23, 2008. Claims 3-5,

13 and 17-18 are cancelled. Claims 1 and 9-11, 14 and 19 are amended. Claims 1-2, 6-

12, 14-16 and 19-20 are pending. Claims 1-2, 6-12, 14-16 and 19-20 represent

dynamically updateable parameters in integrated services hub.

2.   **EXAMINER'S AMENDMENT**

        An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

        Rodney B. Carroll (Reg. #: 39,624), the attorney in record, gave authorization for

this Examiner's Amendment over the telephone during an interview. The claim

amendments are as follow:

AMENDMENTS TO THE CLAIMS

1.   (Previously Presented)   A method for updating configuration parameters in a

customer premises telecommunications hub comprising:

        receiving in a customer premises telecommunications hub a new configuration

file sent from a remote location;

identifying, by said customer premises telecommunications hub, parameters in the new configuration file which are different than existing operating parameters stored in said customer premises telecommunications hub;

determining, by said customer premises telecommunications hub, whether all of the parameters in the new configuration file which are different can be changed dynamically, and   updating all of the existing operating parameters stored in said customer premises telecommunications hub to the parameters in the new configuration file which are different without rebooting said customer premises telecommunications hub when all of the parameters in the new configuration file which are different can be dynamically changed,

wherein said customer premises telecommunications hub comprises a configuration update module and a plurality of other functional modules which use parameters contained in the new configuration file,

wherein said other functional modules register check and update function calls with said update module,

wherein said update module writes the new configuration file into flash memory and issues the check function call to each of the other functional modules,

wherein each of the other functional modules performs the check function by comparing–configuration file parameters in the new configuration file to its existing operating parameters, and notifying the update module whether the parameters which are different can be changed dynamically,

wherein said update module issues the update function call to each of the other functional modules when the update module is notified by all of the other functional modules that the parameters which are different can be changed dynamically, and

wherein each of the other functional modules performs the update function by reading the parameters which are different from the new configuration file and writing the read parameters to locally stored configuration file parameters which it uses.

2.   (Previously Presented)   A The method according to Claim 1, further comprising:

updating all of the existing operating parameters stored in said customer premises telecommunications hub to the parameters in the new configuration file which are different by rebooting the customer premises telecommunications hub when any of the parameters in the new configuration file which are different cannot be dynamically changed.

3-5.   (Canceled)

6.   (Original)   A The method according to Claim 1, wherein:

said step of updating parameters is performed when said customer premises telecommunications hub is in an idle state.

7.   (Original)   A The method according to Claim 1, wherein:

said new configuration file is received over a wide area network connection in
Internet protocol.

8.   (Original)   A The method according to Claim 1, wherein:

said new configuration file is received over a DSL connection to a server in a
central office.

9.   (Currently Amended)   A   customer   premises   telecommunications   hub,
comprising:

a wide area network connection for receiving Internet protocol messages,

a memory storing a configuration file,

a microprocessor having a plurality of functional program modules operating with
parameters contained in the configuration file, each of the functional modules locally
storing configuration file parameters which affect its operations and having a check
function and an update function, and

a configuration update module adapted to receive a new configuration file over
the wide area network connection while the microprocessor is in a running state, to
store the new configuration file in memory, and to call the check function and the update
function in each of the functional modules,

wherein the check function for each of the functional modules determines
whether any parameters in the new configuration file which affect the functional module
have been changed, for each parameter that has been changed the check function

determines whether the parameter can be updated dynamically, and the check function

for each of the functional modules reports to the configuration update module whether

all of the parameters in the new configuration file which affect the functional module that

have been changed can be updated dynamically,

wherein the configuration update module calls the update function for each of the

functional modules when the configuration update module is reported to by all of the

functional modules that all of the parameters in the new configuration file which affect

the functional module that have been changed can be updated dynamically,

wherein each of the functional modules performs the update function without

rebooting the customer premises telecommunications hub by reading parameters in the

new configuration file which affect the functional module that have been changed from

the new configuration file and writing the read parameters to the locally stored

configuration file parameters which affect its operations.

10.   (Currently Amended)   A system for dynamically updating configuration file

parameters in a customer premises telecommunications hub comprising:

a remotely located configuration file server accessible over a wide area network

connection,

the configuration file server for storing configuration files,

means for receiving a new configuration file from said configuration file server

over a said area network connection while the customer premises telecommunications

hub is in a running state,

means, for each of a plurality of functional modules of the customer premises telecommunications hub, for comparing parameters controlling operation of the customer premises telecommunications hub functional module to parameters contained in the new configuration file and identifying parameters which are different,

means, for each of the plurality of functional modules of the customer premises telecommunications hub, for identifying whether the parameters which are different can be changed dynamically,

means, for each of the plurality of functional modules of the customer premises telecommunications hub, for reporting whether all of the parameters which are different can be changed dynamically,

means for, [[if]]when all of the plurality of functional modules of the customer premises telecommunications hub report that all of the parameters which are different can be changed dynamically, dynamically updating parameters controlling operation of each of the functional modules of the customer premises telecommunications hub to those contained in the new configuration file without rebooting the customer premises telecommunications hub,

wherein the means for dynamically updating parameters of each of the functional modules of the customer premises telecommunications hub includes means for reading parameters in the new configuration file that control operation of the functional module and that have been changed, and further includes means for writing the read parameters to locally stored parameters which are used by the functional module.

11.   (Currently Amended)   The system of Claim 10 further comprising:

means for, [[if]]when any of the plurality of functional modules of the customer

premises telecommunications hub report that any of the parameters which [[is]]are

different cannot be changed dynamically, causing the customer premises

telecommunications hub to reboot.

12.   (Previously Presented)   The system of Claim 10 further comprising:

means for dynamically updating parameters to those contained in the new

configuration file only when the customer premises telecommunications hub is in idle

state.

13. (Canceled)

14. (Currently Amended)   The customer premises telecommunications hub of claim

[[3]] The method according to Claim 1, wherein said update module issues a command

to reboot said customer premises telecommunications hub when any of the functional

modules notify the update module that not all of the parameters which are different can

be updated dynamically.

15. (Previously Presented) The customer premises telecommunications hub of claim

The method according to Claim 14, wherein said customer premises

telecommunications hub is delayed from rebooting until the customer premises

telecommunications hub is idle.

16. (Previously Presented) The customer premises telecommunications hub of claim 9, wherein the configuration update module sequentially calls the check function in each of the functional modules and sequentially receives the reports from the check function in each of the functional modules.

17-18. (Canceled)

19. (Currently Amended)   The customer premises telecommunications hub of claim [[16]]9, wherein the configuration update module issues a command to reboot the customer premises telecommunications hub when the configuration update module receives a report from the check function in any of the functional modules that indicates not all of the parameters that have been changed can be updated dynamically.

20. (Previously Presented) The customer premises telecommunications hub of claim 19, wherein the customer premises telecommunications hub is delayed from rebooting until the customer premises telecommunications hub is idle.

3.   *Allowable Subject Matter*

4.   Claims 1-2, 6-12, 14-16 and 19-20 are allowed.

5.   The following is an **Examiner's Statement of Reasons for Allowance**:

The prior art of record fails to teach or suggest individually or in combination the claimed limitations of "wherein each of the other functional modules performs the check function by comparing–configuration file parameters in the new configuration file to its existing operating parameters, and notifying the update module whether the parameters which are different can be changed dynamically, wherein said update module issues the update function call to each of the other functional modules when the update module is notified by all of the other functional modules that the parameters which are different can be changed dynamically, and wherein each of the other functional modules performs the update function by reading the parameters which are different from the new configuration file and writing the read parameters to locally stored configuration file parameters which it uses.".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6.   *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to El Hadji Sall whose telephone number is (571)272-4010.

The examiner can normally be reached on Monday - Friday 9:00am-6:00pm w/ first

Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-

8300. Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR

only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/El Hadji M Sall/

Examiner, Art Unit 2157

/Ario Etienne/

Supervisory Patent Examiner, Art Unit 2157